sapience
Consultants and Engineers
(Soil & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386,
Email: sapiencebangalore@gmail.com

Aggregate Gradation

Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli, BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
ctor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Type	Wet Mix Macadam
	Coarse Aggregates
Method	IS 2386(Part 1) 1963 (RA 2011)
/ Location	Plant
No.	5 & 6
	14.06.2022

Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	500.8	500.8	3.34	96.66	95 - 100	
22.4	4547.9	5048.7	33.66	66.34	60 - 80	
11.2	2918.8	7967.5	53.12	46.88	40 - 60	
4.75	2614.9	10582.4	70.55	29.45	25 - 40	
2.36	673.9	11256.3	75.04	24.96	15 - 30	
1.80	1457.6	12713.9	84.76	15.24	8 - 22	
0.075	1851.0	14564.9	97.10	2.9	0 - 5	

Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	404.0	404.0	2.69	97.31	95 - 100	
22.4	4151.6	4555.6	30.37	69.63	60 - 80	
11.2	2917.0	7472.6	49.82	50.18	40 - 60	
4.75	2716.2	10188.8	67.93	32.07	25 - 40	
2.36	1960.4	12149.2	80.99	19.01	15 - 30	
1.80	912.5	13061.7	87.08	12.92	8 - 22	
0.075	1643.0	14704.7	98.03	1.97	0 - 5	

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results indicated above are based on the tests carried out on the
es are collected on the work spot & tested in the laboratory.
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Sapience Consultants and Engineers,
Bangalore-59
Authorised Signatory

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶ್ರೀ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಂಗಳೂರು. ಪಾ ಪಾ ಎಂ.ಪಿ
ಬೆಂಗಳೂರು 560073

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#59,60, GANGA, Jnanbharathi Enclave,
Nagarbhavi, Mysore Road, Bangalore 560072
Ph: 9448053634, 8762744066
Email: sapienceblr@gmail.com

Aggregate Gradation

Name of Work	Restoration and Improvements of roads and drains in A r e Layout, Shettyhalli village,89 ward of Chikkasandra village and Abigere village roads, 975 Village, Vishveshwaraiah village, Road Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli, BBMP, Bangalore
Name of Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore
Work Order No.	SCE/PMC/DCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Name of Agency	Sri.Chikkaboregowda Kangowda(CKG Constructions Private Limited), Contractor, Mysore.
Type of Work	Wet Mix Macadam
Material	Coarse Aggregates
Method Followed	IS 2386(Part 1) 1963 (RA 2011)
Location	Plant
Sample No.	7 & 8
Date of Test	14.06.2022

Weight of Sample (gms) : 15000.00

Sieve Size	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	464.4	464.4	3.10	96.9	95 - 100	
22.4	4193.4	4657.8	31.05	68.95	60 - 80	
11.2	2488.5	7146.3	47.64	52.36	40 - 60	
5.6	2751.8	9898.1	65.99	34.01	25 - 40	
2.36	1829.7	11727.8	78.19	21.81	15 - 30	
1.18	791.1	12518.9	83.46	16.54	8 - 22	
0.075	2287.3	14806.2	98.71	1.29	0 - 5	

Weight of Sample (gms) : 15000.00

Sieve Size	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	727.2	727.2	4.85	95.15	95 - 100	
22.4	3842.5	4569.7	30.46	69.54	60 - 80	
11.2	2912.3	7482.0	49.88	50.12	40 - 60	
5.6	2131.8	9613.8	64.09	35.91	25 - 40	
2.36	1920.3	11534.1	76.89	23.11	15 - 30	
1.18	1259.2	12793.3	85.29	14.71	8 - 22	
0.075	1806.6	14599.9	97.33	2.67	0 - 5	

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ಜೆ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಪಶ್ಚಿಮ ವಲಯ
ಬೆಂಗಳೂರು 560073

ience

Engineers

[illegible] Jeevanahalli Extn.,
Jagalahalli, Tumkur Road, Bangalore 560039
Ph: 23468534, 23421468.
Email: [illegible]@gmail.com

Aggregate Gradation

Reconstruction and improvements of roads and drains in K.T.H.Layout, Jeethahalli village(PP ward) of Chikkasandra village and Nagarur village roads, BTS village, Ishwarchandra village, Tavarekere and Sitaramalli Dist Village roads (Jagged to BWSSB) to lay water supply and UGD lines under 110 villages in ward No.128 & 24 Jeethahalli, BBMP, Bangalore.

Executive Engineer, Jalamandali Division, BBMP, Bangalore.

SE/EE/PWD/2014-15/KPP/DH/Tender-28/Sub Dt. 25/07/2022

Sri.Chikkalaranganatha Gangavada(COE Constructions Private Limited), Contractor, Mysore.

Wet Mix Macadam

Coarse Aggregates

IS:2386(Part 1) 1963) R(e 2021)

Plant

Silk 10

15.10.2022

Weight of Sample (gms) :- 15000.000

Sieve	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.07	Remarks
40	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
20	501.3	501.3	3.34	96.66	95 - 100	
10	4289.2	4290.5	28.27	66.73	60 - 80	
4.75	3502.2	7792.7	50.62	49.38	40 - 60	
2.36	3065.4	10858.1	71.28	28.72	25 - 40	
1.18	1076.2	11768.3	78.46	21.54	15 - 30	
0.6	1354.3	13122.6	87.55	12.45	8 - 22	
0.15	1590.7	14713.3	98.22	1.78	0 - 5	

Weight of Sample (gms) :- 15000.000

Sieve	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.07	Remarks
40	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
20	706.3	706.3	4.71	95.29	95 - 100	
10	3795.0	4501.3	30.01	69.99	60 - 80	
4.75	3253.3	7754.6	51.70	48.30	40 - 60	
2.36	3009.0	10763.6	71.76	28.24	25 - 40	
1.18	1282.5	12046.1	80.64	19.36	15 - 30	
0.6	457.2	12503.3	83.69	16.31	8 - 22	
0.15	2160.8	14664.1	97.76	2.24	0 - 5	

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Geotechnical Consultants and Engineers,

Authorised Signatory

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(A Road Materials Testing Laboratory)

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Aggregate Gradation

ect Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
ractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Type	Wet Mix Macadam
erial	Coarse Aggregates
Method	IS 2386(Part 1) 1963 (RA 2011)
ce / Location	Plant
ple No.	11 & 12
	15.06.2022

tal Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	475.2	475.2	3.17	96.83	95 - 100	
22.4	4365.3	4840.5	32.27	67.73	60 - 80	
11.2	2833.0	7673.5	51.16	48.84	40 - 60	
4.75	3047.1	10720.6	71.47	28.53	25 - 40	
2.36	1291.2	12011.8	80.08	19.92	15 - 30	
0.60	777.3	12789.1	85.26	14.74	8 - 22	
0.075	1910.2	14699.3	98.00	2	0 - 5	

tal Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	340.2	340.2	2.27	97.73	95 - 100	
22.4	4561.6	4901.8	32.68	67.32	60 - 80	
11.2	3014.9	7916.7	52.78	47.22	40 - 60	
4.75	2205.3	10122.0	67.48	32.52	25 - 40	
2.36	1105.1	11227.1	74.85	25.15	15 - 30	
0.60	1478.8	12705.9	84.71	15.29	8 - 22	
0.075	2042.6	14748.5	98.32	1.68	0 - 5	

te:
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Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶ್ರೀ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು ೫೬೦೦೭೩

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Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Work Order No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	13 & 14
Date	28.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	345.1	345.1	2.30	97.7	95 - 100	
22.4	4528.2	4873.3	32.49	67.51	60 - 80	
11.2	2427.6	7300.9	48.67	51.33	40 - 60	
4.75	2719.5	10020.4	66.80	33.2	25 - 40	
2.36	2152.3	12172.7	81.15	18.85	15 - 30	
0.60	533.5	12706.2	84.71	15.29	8 - 22	
0.075	1859.7	14565.9	97.11	2.89	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	687.3	687.3	4.58	95.42	95 - 100	
22.4	4377.8	5065.1	33.77	66.23	60 - 80	
11.2	2254.1	7319.2	48.79	51.21	40 - 60	
4.75	2458.2	9777.4	65.18	34.82	25 - 40	
2.36	1543.6	11321.0	75.47	24.53	15 - 30	
0.60	1310.6	12631.6	84.21	15.79	8 - 22	
0.075	2001.7	14633.3	97.56	2.44	0 - 5	

Note:

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For Sapience Consultants and Engineers,

Authorized Signature

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ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಹಾಗಲಗುಂಟೆ. ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

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Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	15 & 16
Date	28.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	351.5	351.5	2.34	97.66	95 - 100	
22.4	4179.5	4531.0	30.21	69.79	60 - 80	
11.2	3032.3	7563.3	50.42	49.58	40 - 60	
4.75	2557.4	10120.7	67.47	32.53	25 - 40	
2.36	2047.9	12168.6	81.12	18.88	15 - 30	
0.60	509.7	12678.3	84.52	15.48	8 - 22	
0.075	2132.1	14810.4	98.74	1.26	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	392.0	392.0	2.61	97.39	95 - 100	
22.4	3750.4	4142.4	27.62	72.38	60 - 80	
11.2	3342.6	7485.0	49.90	50.10	40 - 60	
4.75	3041.3	10526.3	70.18	29.82	25 - 40	
2.36	1537.4	12063.7	80.42	19.58	15 - 30	
0.60	502.5	12566.2	83.77	16.23	8 - 22	
0.075	2060.1	14626.3	97.51	2.49	0 - 5	

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For Sapience Consultants and Engineers,

Authorized Signature

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ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
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Aggregate Gradation

Project Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Job No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Mix Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	17 & 18
Date	29.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	407.9	407.9	2.72	97.28	95 - 100	
22.4	4134.9	4542.8	30.29	69.71	60 - 80	
11.2	3161.5	7704.3	51.36	48.64	40 - 60	
4.75	2648.8	10353.1	69.02	30.98	25 - 40	
2.36	1917.1	12270.2	81.80	18.2	15 - 30	
0.60	762.4	13032.6	86.88	13.12	8 - 22	
0.075	1796.4	14829.0	98.86	1.14	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	420.5	420.5	2.80	97.20	95 - 100	
22.4	3741.4	4161.9	27.75	72.25	60 - 80	
11.2	3258.3	7420.2	49.47	50.53	40 - 60	
4.75	3159.8	10580.0	70.53	29.47	25 - 40	
2.36	1290.0	11870.0	79.13	20.87	15 - 30	
0.60	1187.4	13057.4	87.05	12.95	8 - 22	
0.075	1757.8	14815.2	98.77	1.23	0 - 5	

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Authorized Signature

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ಬಾಗಲಗುಂಟೆ. ಜಿ.ಕ.ಪಂ.
ಬೆಂಗಳೂರು 560073

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(Tech & Road Materials Testing Laboratory)

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Aggregate Gradation

ect Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
. No.:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
ractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Type	Wet Mix Macadam
erial	Coarse Aggregates
Method	IS 2386(Part 1) 1963 (RA 2011)
ce / Location	Plant
ple No.	19 & 20
	29.06.2022

e

al Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	570.7	570.7	3.80	96.2	95 - 100	
22.4	4074.1	4644.8	30.97	69.03	60 - 80	
11.2	2779.6	7424.4	49.50	50.5	40 - 60	
4.75	3101.6	10526.0	70.17	29.83	25 - 40	
2.36	1634.2	12160.2	81.07	18.93	15 - 30	
0.60	551.2	12711.4	84.74	15.26	8 - 22	
0.075	1878.6	14590.0	97.27	2.73	0 - 5	

al Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	421.7	421.7	2.81	97.19	95 - 100	
22.4	3682.2	4103.9	27.36	72.64	60 - 80	
11.2	3838.6	7942.5	52.95	47.05	40 - 60	
4.75	1732.1	9674.6	64.50	35.50	25 - 40	
2.36	2040.7	11715.3	78.10	21.90	15 - 30	
0.60	958.8	12674.1	84.49	15.51	8 - 22	
0.075	2067.6	14741.7	98.28	1.72	0 - 5	

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his test report should not be reproduced except in full, without written approval of the laboratory

he results indicated above are based on the tests carried out on the

es are collected on the work spot & tested in the laboratory.

y query regarding the report must be reported within 15 days from the date of testing.

For Sapience Consultants and Engineers,

Authorized Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜ ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕೆ.ಎಂ.ಪಿ
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Vidyaranyapura, Mysore Road, Bangalore 560097
Ph: 9448853634, 8762194386.
Email: sapienceblr@gmail.com

Aggregate Gradation

Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Visheshwaraiah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli, BBMP, Bangalore
	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
	SCE/PMC/2019-4/BBMP(D)-/2022-23/58 Dt. 25/07/2022
Agency	Sri.Chikkaboraigowda Kamigowda(CKG Constructions Private Limited), Contractor, Mysore.
	Wet Mix Macadam
	Coarse Aggregates
	IS 2386(Part 1) 1963 (RA 2011)
	Plant
	21 & 22
	30.06.2022

Weight of Sample (gms) : **15000.00**

Weight retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
685.1	685.1	4.57	95.43	95 - 100	
4841.8	5026.9	33.51	66.49	60 - 80	
2445.2	7472.1	49.81	50.19	40 - 60	
2410.8	9882.9	65.89	34.11	25 - 40	
2208.0	12090.9	80.61	19.39	15 - 30	
747.2	12838.1	85.59	14.41	8 - 22	
1784.2	14622.3	97.48	2.52	0 - 5	

Weight of Sample (gms) : **15000.00**

Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
451.1	451.1	3.01	96.99	95 - 100	
4300.4	4751.5	31.68	68.32	60 - 80	
2603.6	7355.1	49.03	50.97	40 - 60	
3172.6	10527.7	70.18	29.82	25 - 40	
1063.7	11591.4	77.28	22.72	15 - 30	
1253.1	12844.5	85.63	14.37	8 - 22	
1795.8	14640.3	97.60	2.40	0 - 5	

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For Sapience Consultants and Engineers,

Authorised Signature

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಜಿಜಿಎಂಪಿ
ಬೆಂಗಳೂರು 560073

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Email: sapiencebangalore@gmail.com

Aggregate Gradation

Work Name	Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village,RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli. BBMP, Bangalore
Client	Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
Ref No:	SCE/PMC/QCR-4/BBMP/DH/2022-23/58 Dt. 25/07/2022
Contractor / Agency	Sri.Chikkaboregowda Karigowda(CKG Constructions Privite Limited), Contractor, Mysore.
Work Type	Wet Mix Macadam
Material	Coarse Aggregates
Test Method	IS 2386(Part 1) 1963 (RA 2011)
Source / Location	Plant
Sample No.	23 & 24
Date	30.06.2022

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	357.7	357.7	2.38	97.62	95 - 100	
22.4	3844.6	4202.3	28.02	71.98	60 - 80	
11.2	3876.2	8078.5	53.86	46.14	40 - 60	
4.75	1765.3	9843.8	65.63	34.37	25 - 40	
2.36	1320.3	11164.1	74.43	25.57	15 - 30	
0.60	1318.2	12482.3	83.22	16.78	8 - 22	
0.075	2119.1	14601.4	97.34	2.66	0 - 5	

Total Weight of Sample (gms) : **15000.00**

Sieve Size (mm)	Weight Retained in gms	Cumulative Weight Retained (gm)	Cummulative % Retained	Cumulative % Passing	Requirement as per MORTH table 500.17	Remarks
53	0	0	0	100	100	Gradation satisfies the MORTH Table 400-13 Specification for Wet Mix Macadam
45	592.4	592.4	3.95	96.05	95 - 100	
22.4	3737.7	4330.1	28.87	71.13	60 - 80	
11.2	2889.0	7219.1	48.13	51.87	40 - 60	
4.75	3304.0	10523.1	70.15	29.85	25 - 40	
2.36	1665.8	12188.9	81.26	18.74	15 - 30	
0.60	437.9	12626.8	84.18	15.82	8 - 22	
0.075	1984.6	14611.4	97.41	2.59	0 - 5	

Note:

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For Sapience Consultants and Engineers,

SAPIENCE CONSULTANTS ENGINEERS Bangalore

Authorized Signature

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ಡಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.